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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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ATLANTA, GEORGIA 30333

Vol. 13, No. 24

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JUNE 13, 1964

RABIES SURVEILLANCE SUMMARY ISSUE

RABIES

A total of 94 cases of rabies in animals was reported for the week ended June 13. This brings to 2,216 the cumulative total thus far in 1964, an increase of 18 percent compared to the 1,871 reported for the comparable period of 1963.

Of the 2,216 cases reported to date, the 7 states in the West North Central region account for 713 (32 percent), an increase of 268 (60 percent) compared to the first 24 weeks of 1963. The principal states contributing to this rise are Minnesota, Iowa and Missouri, which have reported 585 rabies in animals (26 percent of the U.S. total). For the comparable period of last year, these 3 states reported 362 cases.

The greatest rise in reported cases occurred in the East South Contral states (298 vs. 156 cases), where Tennessee has reported a 246 percent rise (242 vs. 70 cases) this year. Thus far in 1964, Tennessee has reported more rabies in animals than any other state, accounting for 11 percent of the 1904 national total.

As discussed in the surveillance summary elsewhere in this ssue, the majority of reported cases are wildlife cases.

No case of human rabies has been reported thus far in 1964.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

	24th We	ek Ended		Cumulat	ive, First 24	Weeks
Disease	June 13, 1964	June 15, 1963	Median 1959 - 1963	June 13, 1964	June 15, 1963	Median 1959 - 1963
Aseptic meningitis	39	37		600		
Brucellosis	39 7	8		693	570	1
Diphtheria	12	0	11	178	158	256
Encephalitis, primary infectious	53	_ °	′	134	129	298
Encephalitis, post-infectious	28	33		853 465	<u></u> 697	
Hepatitis, infectious including serum hepatitis Measles Meningococcal infections Poliomyelitis, Total Paralytic Nonparalytic	648 12,377 49 1	660 12,224 48 6 5	660 13,202 38 17 14	20,263 395,173 1,406 36 28	22,343 319,225 1,363 68 59	22,344 340,473 1,258 203 138
Unspecified	Ξ	-		1	6	
Streptococcal Sore Throat and						
Scarlet fever	6,485	4,856		240,509	206,241	
Tetanus	8	9		107	98	
Tularemia	11	8		129	102	
Typhoid fever	9	6	15	163	162	252
Rabies in Animals	94	70	63	2,216	1,871	1,869

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Botulism: Leptospirosis: Hawaii - 1, Fla - 1 Malaria: Ky - 1 Plague:	2 9 12 42 -	Psittacosis: Rabies in Man: Smallpox: Typhus- Murine: Rky Mt. Spotted: NJ - 1, Mo - 1	14 - - 7
		RKy Ht. Spotted. NS - 1, HS - 1	35

RABIES SURVEILLANCE SUMMARY - 1963

One case of human rabies was reported during 1963, the lowest total ever recorded. During the same period, 3,392 confirmed cases of animal rabies were recorded. This total represents a slight increase over the 1962 figure. Rabies in animals annual totals have shown a small increase since reaching an all time low in 1960. The 1963 increase was due to epidemics in different wildlife hosts in certain geographic sections of the country. A long term review of human rabies and a report on the surveillance of animal rabies follows.

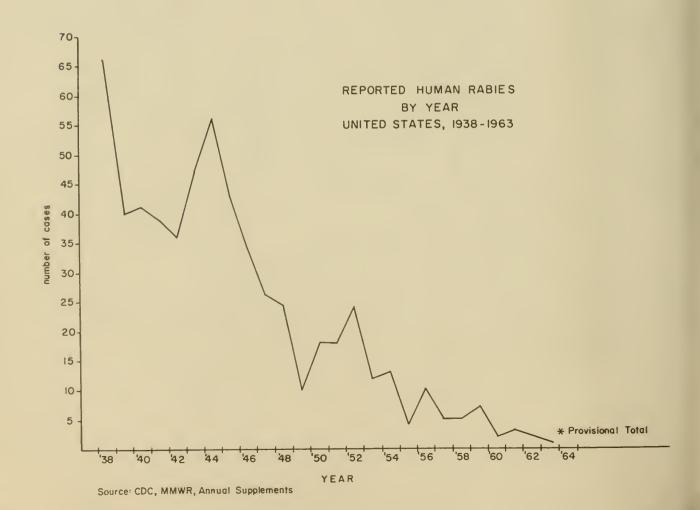
HUMAN

The one case of human rabies reported during 1963 occurred in Pickens County, Alabama. The details are summarized below.

U. S. HUMAN RABIES DEATH - 1963

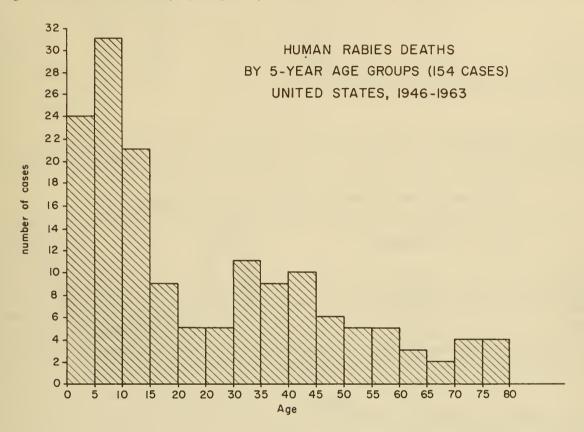
LOCALITY	DATE DIED	AGE	SEX	NATURE OF EXPOSURE	INCUBATION PERIOD	LENGTH OF	TREATMENT	BITING ANIMAL
1. Pickens County, Alabama	9/4/63	52	F	Unknown	Unknown	7 days	Nane	Prabably dog

A graph of human rabies since 1938 is shown below:

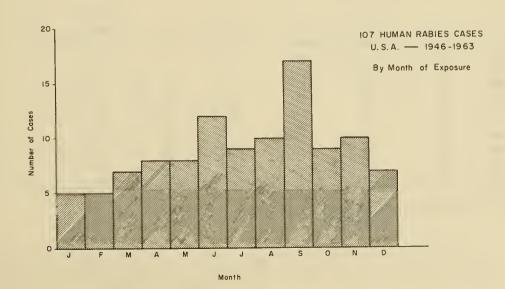


During the period 1946 - 1963, human deaths from rabies totalled 218.

In this same period the greatest incidence occurred in children under 15 years of age with a peak in the 5-9 age group. The age distribution of 154 deaths by 5 year age group is shown in the following graph.



September represented the month during which the greatest number of exposure occurred. The 107 cases with known month of exposure are shown below:



A breakdown of the range of incubation periods according to severity of exposure is shown in the following table:

INCUBATION PERIODS RELATED TO SEVERITY OF EXPOSURE IN 135 FATAL HUMAN RABIES CASES - U.S., 1946 - 1963

	Severe Exposure*	Superficial Expasure	Unknawn ar Severity Not Reparted	TOTAL
No. of Cases	48	18	69	135
Median (days)	22	60	44	38
Range (days)	6-156	20-270	7-240	6-270

*Includes severe, multiple, deep, head or face bites

Source: CDC Data

The length of illness ranged from one to 20 days in 152 cases. The median was 4 days.

During the past 25-years, a definite change in the type of host exposure has occurred. Whereas domestic animals constituted 100 per cent of exposures during the post war years, these animals caused about one-half of the rabies cases around 1960; thus wild animals have become an increasingly important source of human rabies cases.

FATAL HUMAN RABIES BY SOURCE OF EXPOSURE - UNITED STATES, 1946-1963

		Dag or	Fox, Skunk
Period	No. of Cases	Cat Expasure	or Bat Exposure
		Cases %	Cases %
1946-1949	48	48 100	0 0
1950-1953	54	49 91	5 9
1954-1957	29	24 83	5 17
1958-1961	15	8 53	7 47
1962-1963	3	(Sources Un	known)
Total	149		

Source: CDC Data

ANIMALS

A total of 3,932 laboratory confirmed cases of animal rabies was reported throughout the United States in 1963, an increase of 206 cases as compared to 1962.

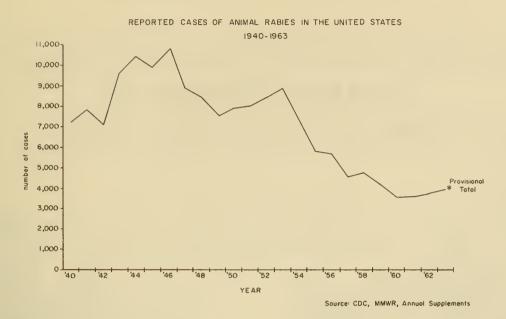
INCIDENCE OF RABIES IN THE UNITED STATES BY TYPE OF ANIMAL 1953-1963*

YEAR	DOGS	CATS	FARM ANIMALS	FOXES	SKUNKS	BATS	OTHER ANIMALS	MAN	TOTAL
1953	5,688	538	1,118	1,033	319	8	119	12	8,835
1954	4,083	462	1,032	1,028	547	4	118	13	7,287
1955	2,657	343	924	1,223	580	14	98	4	5,843
1956	2,592	371	794	1,281	631	41	126	10	5,846
1957	1,758	382	714	1,021	775	31	115	5	4,801
1958	1,643	353	737	845	1,005	68	157	5	4,813
1959	1,119	292	751	920	789	80	126	7	4,084
1960	697	277	645	915	725	88	108	2	3,457
1961	594	217	482	614	1,254	186	120	3	3,470
1962	565	232	614	594	1,449	157	114	2	3,727
1963*	573	217	531	622	1,462	303	224	1	3,933

*Pravisional Tatal

Saurces: USDA, ARS and MMWR Annual Supplements

This rise appears due primarily to a general increase in bat rabies and to an epidemic of rabies in raccoons in the southeast, as well as to an extension of a large epidemic of skunk rabies in the central part of the country, the emergence of epidemic fox rabies in New England and increased concentration of dog rabies cases along the U.S. - Mexico border.

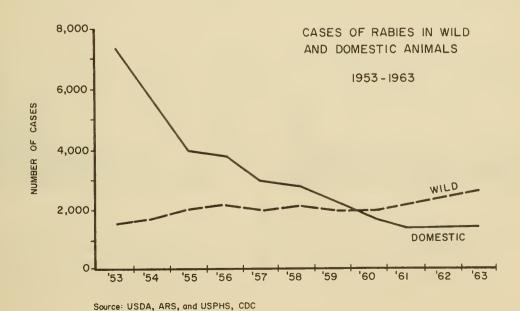


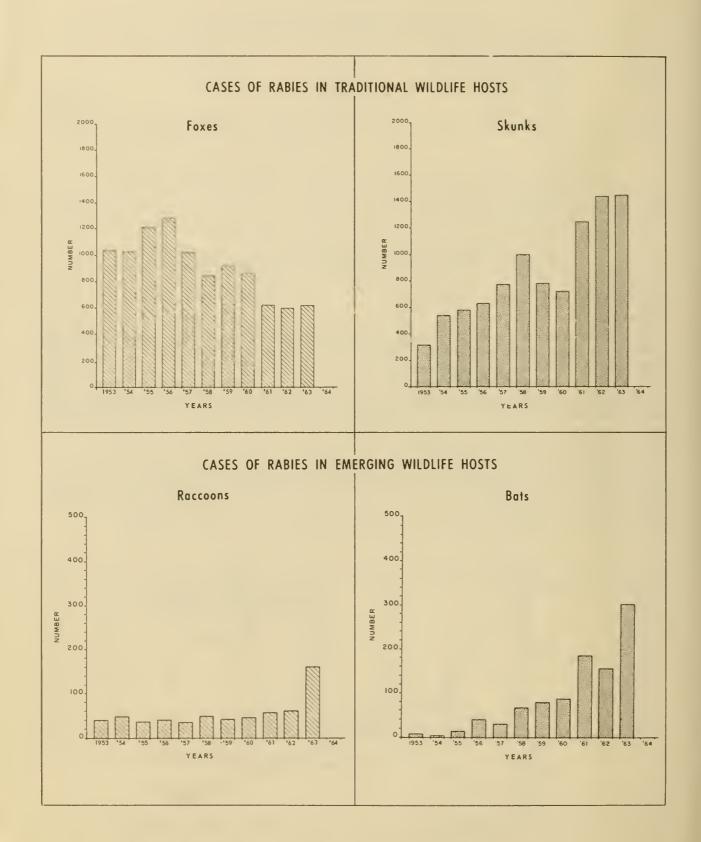
Secular Trends

Animal rabies cases have declined since 1946, with a sharp drop from 1953 to 1960. Since 1960, however, a slight increase is evident (see above). Despite this decreased incidence of animal rabies, about one-third of the counties in the United States reported rabies in 1963, as well as in 1953.

Of note is the change in distribution of rabies in animal hosts, for the overall decrease is due to the reduced number of cases in domestic animals (see below), particularly in dogs. Since 1960, rabies cases in wildlife have exceeded those in domesticated animals. Nationwide, no progress in reducing the number of rabies cases in domestic animals has been achieved for several years. On this basis, it appears that further reductions in the incidence of rabies will come only after measures are found to control the disease in wildlife.

The incidence of fox rabies has declined during the past decade while that of skunk rabies has increased (see p. 204). Since the initial isolation of rabies from an insectivorous bat in Florida in 1953, a large number of rabid bats have been found throughout the United States, many in areas reporting few or no cases of rabies in other host species. In contrast, the significant increase of raccoon rabies is the result of a highly localized epidemic, which first appeared in Florida and has since moved slowly northward.



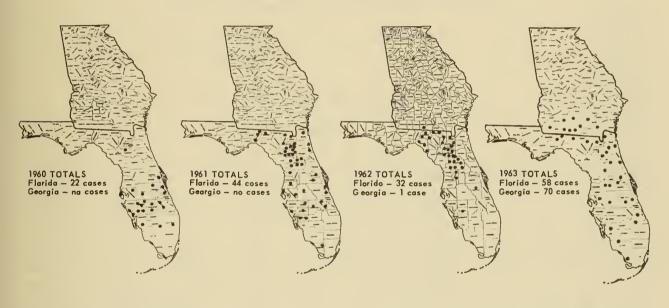


Specific Hosts

In 1963, 541 counties in 31 States reported 1,462 cases of skunk rabies as contrasted to the 1,449 cases in 479 counties in 24 States in 1962. Thereby, skunks continued to be the greatest single source of animal rabies in the United States as they were during the 2 preceding years. The rabid skunk problem covers much of the central portion of the country where large number of cases are reported from Iowa, Minnesota, Ohio, and Texas. California also reports large numbers of rabid skunks.

Roccoon rabies is a local problem in the southeastern United States. An epidemic involving this host began in southern Florida 4 years ago and has since moved northward at a slow, steady pace. It is now a major problem in parts of south Georgia. Of the 1963 cases, 79 per cent occurred in Georgia and Florida. The remarkable character of this epidemic continues to be the well defined wave of cases which marks its advance along a broad front, in contrast to the usual diffuse pattern of epidemic rabies.

RACCOON RABIES - FLORIDA AND GEORGIA



Fox rabies increased slightly from 594 cases in 1962 to 622 cases in 1963. The most important change occurred in northern New England (Vermont, New Hampshire, and western Maine) and New York. These areas have long been rabies free, but were involved in an extension of an epidemic which moved southeastward across the province of Quebec. The rabid foxes from this new focus of infection account for the increased number of fox rabies cases in 1963.

Although dog rabies is similar in incidence to 1962, its geographic concentration is shifted. The areas of the United States with the greatest concentration of enzootic and epizootic dog rabies are found along the Mexican border. In 1962 one-sixth of all the rabid dogs found in the United States were in counties bordering Mexico. In this same area dog rabies cases increased from 136 in 1962 to 180 in 1963; this is nearly one-third of the 573 cases in this host reported in the entire country last year. Dog rabies was reported in Vermont and New Hampshire for the first time in nearly 4 decades last year.

Rabid bots were diagnosed twice as frequently in 1963 as 1962, with cases reported from 36 States. Many of the 1963 cases were reported from western States. The 3 Pacific coast States reported 89, Arizona 26, New Mexico 18, and Nevada 11. As in the past, however, the distribution of bat rabies appears to be more diffuse than localized, with the number of rabid bats reported correlating rather well with the current level of interest in that area.

There was no confirmed rabies in mice, rats, or wolves.

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	TOTALS	Con	3933	35 7 75	75	15	000	157	343	122	2 40	273	178	33	16 43 89	15	308 69 17 29		14 238 20	113	0.50
	MAN	Con	_	_																	
	OTHER ANIMALS	uoŋ	23	1 Mr. lion					1 bodgar, 1 gr. hog						1 squirrel monkey		l gr. hog	3 ringfoils, 1 cocomistle	2 homsters	l homster	11 mangooses
	UN. KNOWN	Clin	~															m		_	
	BATS	Clin.	303 4	1 28	16 1	21 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 6	5 3	e	m -	2 9	m -	е.	- =-	21 80 80	6	3 3 3	5 22 3	3.4 20	2	
	MICE	Clin																			
53	RATS	Clin								-											
E, 197	SOUIR- RELS	Clin	5					2										_			
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INCIDENCE OF RABIES IN THE UNITED STATES BY TYPE OF ANIMAL AND STATE, 1963	SKUNKS	Clin	1462 30	- e	11	- '	0 -	96 6	192	07 -		171 4	99	22	13	38	255 2 37 1 6	55 13 234 18	1 2	17	
RABIES	FOXES	.noJ	622 20	21 1 8	5 4	e	2 2	7 11	9	22		2	32		40 - 40	9	22 2	51 66 13		35 1	
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	HORSES SHEEP & MULES	Clin.	1 5															1 2		2	
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	5000	Clin	573 37	5 6 2	86			13 1	13	7 6		15 2	40	e -		•	0 2 9	5 9 27 106 23	-=	42	S
			TOTALS	Alabama Alasko	Arkansas	Colorodo Connecticut Deloware Dist. of Columbio	Georgio	Idoho Illinois Indiano	lowo	Kentucky Louisiana Maine	Moryland	Michigan Minnesota	Missouri	Nebrasko Nevodo Nev Homoskisa	New Jersoy New Mexico New York	North Corolino North Dakota	Ohio Oklohomo Oregan Pennsylvania Rhode Island	Sauth Caralina South Dakata Tennessee Texas	Vermont Virginio Washington	West Virginio	Wyoming Puerto Rico Virgin Islands

State Reports

In 1963, 45 States reported rabies cases, (see p. 208) compared to 39 in 1962. Connecticut, Rhode Island, Mississippi, Wyoming, and Hawaii reported no rabies in 1963. New Hampshire and Vermont reported rabies for the first time since national surveillance began in 1938.

Sizable increases in the number of rabies cases compared to previous years occurred in Arizona, Georgia, Kansas, Nevada, New Hampshire, New Mexico, Oklahoma, South Carolina, Vermont, Virginia, and Washington. Texas reported the largest number of cases during 1963. The 10 States reporting the largest number of cases during 1963 are listed below:

	State	Number of Cases
1.	Texos	525
2.	lowa	343
3.	Ohia	308
4.	California	307
5.	Minnesoto	273
6.	Virginia	238
7.	Missauri	178
8.	Illinois	157
9.	Tennessee	138
10.	Kentucky	122

All but 2 of these, Virginia and Illinois, were among the top 10 in 1962.

(Reported by Rabies Surveillance Unit, CDC.)

INTERNATIONAL NOTES

RABIES - Canada

A 14-year-old Fort Huntington, Quebec girl died of rabies March 15, the first human case reported in Canada this year.

About February 15, while sleeping in her home, she was bitten on the face by a skunk. Awakened by her cries, the father grabbed the skunk and threw it out the window; he was bitten on the hand. Rabies was not considered, and the incident was passed over at that time; no physician was called to examine the child.

On March 3, the girl experienced malaise and fever; she remained at home. A few days later, she bit her mother. Because of the persistence of her fever and her unusual behavior, she was admitted to a local hospital for observation. Her condition deteriorated. On March 12, her illness undiagnosed, she was transferred to a children's hospital in Montreal. Rabies was diagnosed clinically. During her hospitalization in Montreal, the girl bit one of her nurses. The child died in coma March 15; rabies was confirmed by laboratory examination of the brain specimen.

Rabies antiserum and rabies duck embryo vaccine were administered to the father, mother, and the nurse. They have not developed symptoms of rabies.

(Reported by Dr. A. R. Foley, Epidemiologist, Quebec Department of Health).

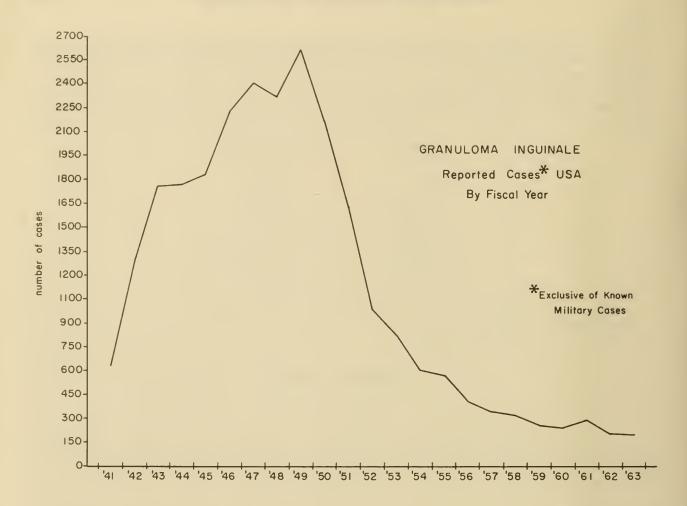
Editor's Note: This is the only case of human rabies yet reported in Canada or the United States of America in 1964.

VENEREAL DISEASE SUMMARIES

GRANULOMA INGUINALE

A total of 196 civilian cases of granuloma inguinale was reported in the United States for the fiscal year ended June 30, 1963, compared to 203 cases reported the previous fiscal year.

Reported cases of granuloma inguinale rose rapidly during the 1940's from 639 cases in 1941 to a peak of 2,403 cases in 1949; case reports declined sharply after 1949 to the current low of 196 cases (see graph on the following page).



During 1963, 7 states and the District of Columbia reported 10 or more cases, accounting for 155 (79 percent) of the 196 cases:

State	Cases
Florida	39
New Yark	26
Geargia	24
Virginia	17
District of Calumbia	15
Texas	13
Alabama	11
Lauisiana	10

In fiscal 1963, the male-female ratio of cases was 2.4 to 1;90 percent of all 1963 cases were in non-white individuals. Private physicians and institutions reported 12 percent of the cases; the remainder were reported by venereal disease clinics and other public institutions.

(Reported by Venereal Disease Branch, CDC.)

INFECTIOUS SYPHILIS - MAY

A total of 1,818 cases of infectious syphilis (primary and secondary) was reported for the month of May (see table opposite page). This figure compares to the 1,952 cases reported for May, 1963, a decline of 7 percent.

The total for the first 5 months of 1964 is 9,330, compared to 9,198 cases reported for the comparable period of 1963. This represents an increase of 1.4 percent for this period of time.

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS MAY 1964 - MAY 1963

CASES OF PRIMARY AND SECONDARY	SECONDARY	SYPHILIS	By Report	ing Areas	SYPHILIS: By Reporting Areas May 1964 and May 1963 - Pr	- Provisional data	data		
			Cumulative	ative				Cumu	Cumulative
Reporting Area	May	13	Jan -	May	Reporting Area	Me	May	Jan - 1	May
	1964	1963	1964	1963		. 1964	1963	1964	1963
NEW ENGLAND	43	54	204	191	EAST SOUTH CENTRAL	153	145	630	630
Maine	1	1	1	2	Kentucky	16	13	55	47
New Hampshire	ı	ı	9	m	Tennessee	37	35	183	175
Vermont	2	1	ო	1	Alabama	99	65	296	287
Massachusetts	27	31	122	101	Mississippi	36	32	96	121
Rhode Island	1	9	7	11					
Connecticut	13	17	65	73	WEST SOUTH CENTRAL	215	267	1,046	1,172
					Arkansas	14	20	82	94
MIDDLE ATLANTIC	404	498	2,257	2,487	Louisiana	67	09	267	265
Upstate New York	48	54	291	244	Oklahoma	∞	20	53	78
	223	271	1,317	1,400	Texas	126	167	949	735
Pa. (Excl. Phila.)	11	17	53	99					
Philadelphia	29	57	147	325	MOUNTAIN	35	58	216	219
New Jersey	93	66	644	452	Montana	2	2	7	2
					Idaho	1	1	7	1
EAST NORTH CENTRAL	176	162	927	826	Wyoming		'	7	7
Ohio	40	34	223	165	Colorado	ന	5	10	20
Indiana	1	2	25	22	New Mexico	12	15	86	7.7
Downstate Illinois	12	00	63	67	Arizona	16	23	72	102
Chicago	82	7.2	369	375		-	} -		11
Michigan	36	1 c	000	183	o Cotto	4	1 -	, :	33
Wisconsin) L) a	10	107	•••••••		11	<u>-</u>	25
	<u> </u>	0	13	76	0 + th	-	c	1	0
LEGE MODIFIED AT	,	C	201	001	PACIFIC	051	503	1,016	902
WEST NORTH CENTRAL	75	35	23/	190	Washington	<u>م</u>	m ·	26	57
Minnesota	14	5	7 9	31	Oregon	4	9	33	20
Iowa	4	2	14	17	California	140	195	647	812
Missouri	12	17	66	9/	Alaska		1	2	٣
North Dakota	1	1	•	4	Hawaii	,	4	2	10
South Dakota	e	2	24	6					
Nebraska	e	4	22	25	U. S. TOTAL	1,818	1,952	9,330	9,198
Kansas		4	14	28	TERRITIORIES	o L	G	27.2	327.
SOUTH ATTANTIC	605	524	2 797	2 521	Puerto Rico.	2, 25	0 00	312	317
Dollar Allen Land Long	,	110	2,121	10,721	Virgin Islands	3,5	2 6	117	710
War: 1004	2 የ	7 0	225	227		7	7	117	•
rat y talld	י ר ה		277	7 7 7					
District of Columbia	500	φ φ σ	241	767					
Virginia	77	18	114	122					
West Virginia	2	4	18	22					
North Carolina	107	80	427	371	Note: Cumulative Totals include revised and delayed reports	s include	revised a	nd delayed	reports
South Carolina	70	63	381	279	through previous months.	months.			•
Georgia	110	69	504	418)				
Florida	204	182	848	692					

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JUNE 13, 1964 AND JUNE 15, 1963 (24TH WEEK)

	Ases	tic	Encep	halitis								
		ngitis	Primary	Post-Inf.	Poli	omyelitis	, Total C	ases	Pol	liomyeliti	s, Paraly	/tic
Area							Cumu	lative			Cumu	lative
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES	39	37	53	28	1	6	36	68	1	5	28	59
NEW ENGLAND	_	2	2	1	_	_	-	1	_			,
Maine	_	_	_	_	_		-	1	-	-	_	1
New Hampshire	_	_	_		-	_	_	-		_		1
Vermont	_	-	_	_	-	_	-	_	_	_	_	-
Massachusetts	-	1	-	_	-	-	-	-	_	-	_	_
Rhode Island	_	1	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	2	1	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC	6	4	15	4	_	1	5	8	_	1	5	6
New York City	2	_	3	_	-		1	_	_		1	_
New York, Up-State.	3	2	-	4	-	1	2	5	-	1	2	5
New Jersey	1	-	11	-	-	-	2	-	-	-	2	-
Pennsylvania	-	2	1	-	-	-	-	3	-	-	-	1
EAST NORTH CENTRAL	6	7	4	9	_	-	3	16	_	-	3	13
Ohio	1	1	1	-	-	-	2	4	-	-	2	3
lndiana	-	2	-	-	-	-	-	2	-	-	-	1
Illinois	3	-	-	9	-	-	1	6	-	-	1	5
Michigan	2	3	3	-	-	-	-	3	-	-	-	3
Wisconsin	-	1	-	-	-	-	-	1	-	-	-	1
WEST NORTH CENTRAL	-	3	4	-	1	-	2	2	1	-	1	2
Minnesota	-	2	1	-	-	-	-	2	-	-	-	2
Iowa	-	1	-	-	-	-	-	-	-	-	-	-
Missouri North Dakota	-	-	-	_	1	-	2	-	1	~	1	-
South Dakota	_	_	~	-	- 1	-	-	-	-	-	-	-
Nebraska		_	2	-			-	-	-	-	_	_
Kansas	_	_	1	_	_		_	_				
SOUTH ATLANTIC	1	-	10	1	-	2	16	9	-	1	12	7
Delaware	-	-	-	-	-	- }	-	-	-	-	-	-
Maryland Dist. of Columbia	-	-	1	-	-	- }	1	-	-	-	1	-
Virginia	1	_	-	1		1	_	-	_	-	-	-
West Virginia	_	_	_			_	1	2		-	1	1
North Carolina	_	_	1	_	_	-	7	2		_	3	2
South Carolina	-	-	1	-	-	-	2	_	-	_	2	_
Georgia	-	-	-	-	-	-	1	1	-	-	1	-
Florida	-	-	7	-	-	1	4	3	-	1	4	3
EAST SOUTH CENTRAL	2	2	2	_	_	1	3	4	_	1	1	3
Kentucky	2	2	1	-	_	_	-		-	<u> </u>	1	-
Tennessee	-	-	-	-	-	-	1	1	_	_	-	1
Alabama	-	-	-	- 1	-	-	2	2	~	-	1	1
Mississippi	-	-	1	-	-	1	-	1	-	1	-	1
WEST SOUTH CENTRAL	6	5	5	_	_	1	2	14	-	1	2	14
Arkansas		-	2	-	-	- 1	-	-	- 1	-	_	-
Louisiana	-	-	2	-	-	1	-	12	-	1	~	12
Oklahoma	2	2	-	-	-	-	1	-	-	-	1	-
Texas	4	3	1	-	-	-	1	2	-	-	1	2
MOUNTAIN	4	5	4	_	-	-	4	1	_	- 1	3	1
Montana	_	-	-	_	-	-	_	_	-	-	_	_
Idaho	-	-	-	- 1	-	-	-	1	-	-	-	1
Wyoming		-	-	-	-	-	2	-	-	-	2	-
Colorado	3	4	3	-	-	-	1	-	-	-	1	-
New Mexico	-	- 1	-	-	-	-	1	~	-	-	-	-
Utah	1	1	1 -	-	-	-	-	_	-			-
Nevada	-	Ī.	_	-		-		-	-	-	-	-
PACIFIC	14		3	1.0								
Washington	2	9	7	13	_	1 -	1	13		1	1 -	12 1
Oregon	_	_	1	-		-	1	1		-	1	1
California	12	9	5	13	-	1	_	11		1	-	10
Alaska	-	- 1	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JUNE 13, 1964 AND JUNE 15, 1963 (24TH WEEK) - CONTINUED

							T. C	- 11 14				
	Bruce	llosis	Dipht	heria				s Hepatit rum Hepat			Typhoi	d Fever
Area						Under	20 years					
		Cum.		Cum.	Total	20 years	and over	Unknown	Cumu1	ative		Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES	7	178	12	134	648	295	308	45	20,263	22,343	9	163
NEW ENGLAND	-	2	9	42	60	27	32	1	2,095	2,476	-	10
Maine	_	_	9	39	14	6 -	8	-	707	1,141	-	-
New Hampshire	_	_	-	_	1	1	-	_	148 259	173 30	-	_
Massachusetts	_	2 -	-	3	23	11	12 2	-	427	736	-	5
Rhode Island Connecticut		_		-	17	8	9	1 -	112 442	57 339	-	5
MIDDLE ATLANTIC	_	3	_	5	164	89	75	_	4,589	4,271	3	28
New York City	-	-	-	1	29	12	17	-	674	582	1	12
New York, Up-State.	_	1 -	-	- 2	83 16	51	32 7	-	2,037 830	1,915 647	1 -	5 1
New Jersey Pennsylvania		2	-	2	36	17	19	_	1,048	1,127	1	10
EAST NORTH CENTRAL	3	22	_	6	89	40	41	8	3,076	3,583	2	37
Ohio	-	1	-	-	29	14	13	2	807	1,025	-	19
Indiana	- 2	1 14	-	- 6	4 12	1 6	3 6	_	270 519	347 772	1 -	8 5
Michigan	-	2	_	-	36	18	18	_	1,252	1,272	1	4
Wisconsin	1	4	-	-	8	1	1	6	228	167	-	1
WEST NORTH CENTRAL	-	81	1	20	37	17	17	3	1,143	1,040	2	14
Minnesota	_	3 46	_	11	5	1 3	4	_	104 166	175 187	-	3
Missouri	-	5	-		14	5	7	2	286	405	1	6
North Dakota	-	2 12	1 -	1	-	-	_	-	42 104	29 49	1 -	1
South Dakota Nebraska		11	_	-	1] [_	1	25	75	_ [_
Kansas	-	2	-	7	14	8	6	-	416	120	-	3
SOUTH ATLANTIC	-	15	2	27	46	22	21	3	1,904	2,354	-	33
Delaware Maryland	-	-	-	-	10	- 4	- 6	-	41 361	31 273		1
Dist. of Columbia.		-	-		1	1	-	-	31	67	-	-
Virginia		6	-		3 10	2 7	2	1 1	281 318	510 378	-	7
North Carolina	_	1	-	_	9	3	6	-	356	596		11
South Carolina Georgia		6	2	4 20	3 1	1 -	2 1	-	69 42	88 96	-	3 1
Florida	-	2	-	3	9	4	4	1	405	315	-	10
EAST SOUTH CENTRAL	2	10	_	5	21	8	11	2	1,376	2,313	1	17
Kentucky	-	3	-	-	6	2	2	2	580	677	-	6
Tennessee	2	3	-	1 2	8 4	2 3	6	-	478 199	920 341	- 1	7
Mississippi	-	1	-	2	3	ı	2	-	119	375	1	1
WEST SOUTH CENTRAL	_	18	-	16	51	22	25	4	1,481	1,485	_	10
Arkansas	-	4	•	-	4	1	3	-	161	166	-	4
Louisiana Oklahoma		1 2	_	5	13	5	8 2		324 82	274 77	_	2
Texas	-	11	-	11	31	15	12	4	914	968	-	1
MOUNTAIN	1	14	_	1	34	7	3	24	1,292	1,500	-	3
Montana	-	-	-	-	2	-	1	1	114	212	-	-
Idaho		_		-	4 -	_	_	4	137 42	236 21	_	-
Colorado	-	-	-	-	6	-	-	6	367	320	-	-
New Mexico	-	1 1	-	1	8 12	6	1 -	1	185 291	178	-	3
Utah	1	11	-	-	2	1	1	12	115	351 172	-	-
Nevada	-	1	-	-	-	-	-	-	41	10	-	-
PACIFIC	1	13	-	12	146	63	83	-	3,307	3,321	1	11
Washington Oregon	-	- 1	-	11	13 15	4 7	9	_	366 367	556 438	-	1
California	1	12	-	1	108	45	63	-	2,402	2,242	1	10
Alaska Hawaii		-	_	_	6	5 2	1 2	-	110 62	63 22	-	_
								-			-	
Puerto Rico	-	-	-	4	15	13	2	-	361	353	-	8

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JUNE 13, 1964 AND JUNE 15, 1963 (24TH WEEK) - CONTINUED

	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever Tetanus			Tularemia		Rabies in Animals		
Area			Cumula	atina				Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES		49	1,406	1,363	6,485	4,856	8	107	11	129	94	2,216
NEW ENGLAND	755	1	40	86	1,068	528	-	3	-	-	-	12
Maine	133 21	-	5	15 4	162 18	5 7	-	-	_	_		10
New Hampshire Vermont	71		1	3	10	6						1
Massachusetts	212	_	18	37	80	80	_	3	_	-	-	-
Rhode Island	107	1	3	9	94	30	-	-	-	-	-	-
Connecticut	211	-	13	18	713	400	-	-	-	-	-	-
MIDDLE ATLANTIC	1,470	10	138	184	403	288	1	8	_	-	2	51
New York City	302	3	26	24	18	17	-	-	-	-	-	-
New York, Up-State.	361	2	50	58	277	194	-	2	-	-	1	48
New Jersey	418	4	19	26	43	47	1	4	-	-	-	-
Pennsylvania	389	1	43	76	65	30	-	2	-	-	1	3
EAST NORTH CENTRAL		4	204	225	683	584	1	11	1	11	14	299
Ohio	292	-	59	62	84	64	- 1	2	-	1	7	159
Indiana	516	-	33	27	93	49	-	1	-	1	2	17
Illinois	1.220	1 -	45 46	40 69	93 279	72 310	1	3	1 -	7	1 2	68
Wisconsin	448	3	21	27	134	89	-	1	_	1	2	30
WEST NORTH CENTRAL	411	2	97	90	125	00	1	6	,	26	27	712
Minnesota	411 30	3 1	87 19	80 16	135	90 14	1 -	6	1 -	26 1	37	713
Iowa	268	1	5	4	56	18	_	2	_	i	20	257
Missouri	6	-	44	28	18	1	_	2	1	16	6	116
North Dakota	107	-	8	4	54	56	-	-	-	-	2	38
South Dakota	-	-	-	4	3	-	-	1	-	-	-	57
Nebraska	-	-	5	19	-	-		-	-	-	1	20
Kansas	NN.	1	6	5	1	1	1	1	-	8	-	13
SOUTH ATLANTIC	769	11	326	254	542	312	1	39	1	18	12	303
Delaware	14	-	4	2	1	6	-	-	-	-	-	-
Maryland	59	-	23	40	245	8	-	2	-	-	-	-
Dist. of Columbia Virginia	3 358	1	9 36	4 63	10	2	-	-	-	- ,	-	106
West Virginia	155	2	22	13	191	113 51	-	5 1	1 -	4	6	186
North Carolina	3	3	56	39	28	19	_	12	-	4	1	3
South Carolina	54	2	48	13	34	29	-	3	-	-	1	1
Georgia	2	2	44	16	2	3	-	1	-	10	4	54
Florida	121	1	84	64	31	81	1	15	•	-	-	40
EAST SOUTH CENTRAL		4	133	108	875	853	1	14	2	19	9	298
Kentucky		3	46	24	57	96	-	2	-	1	3	42
Tennessee	602	-	45	46	770	665	1	7	-	12	5	242
Alabama	762 23	1	25 17	21 17	2	6 86	-	4	-	3	1 -	14
		_	17	17	46	00	_	1	2	3	_	
WEST SOUTH CENTRAL		5	131	138	563	499	-	10	4	37	7	321
Arkansas	5	-,	13	8	-	2	-	2	2	19	-	80
Oklahoma	6 24	4	95 5	57 27	1 42	2		3	1 1	1	3	30 51
Texas		-	18	46	520	494	_	5	_	15	4	160
MOUNTAIN	50/											
Montana	584 87	2	53	43	1,087	921	1	3	2	18	2	82
Idaho	34	1	2	3	33 71	40 91			2	10		
Wyoming	2	-	3	1	î	13	-	1		4	-	-
Colorado	97	1	11	11	487	444	-	_	-	-	-	4
New Mexico	60	-	21	3	207	186	-	1	-	-	1	39
Arizona	163	-	3	7	125	92	-	-	-	-,	1	39
Nevada	-	-	5 8	12 3	163	55	1 -	1 -	-	4 -	-	-
PACIFIC	2 2/2											1.05
PACIFIC	398	9 2	294 23	245 18	1,129	781	2	13	-	_	11	137
Oregon	364	-	18	15	197 10	93		1 -	-		1 1	2
California		7	240	199	892	602	1	11	_	_	10	135
Alaska	11	-	6	6	10	30	-	-	-	-	-	-
Hawaii	27	-	7	7	20	51	1	1	-	-	-	

Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.) $^{\circ}$

(100100 4(N),	-(2), 4(0	o,, and 4	(D) WIII	De publis	shed in sequence covering a fou	- week pe			
Area	For weeks ending				Area	For weeks ending			
	5/23	5/30	6/6	6/13		5/23	5/30	6/6	6/13
NEW ENGLAND: Boston, Mass. Bridgeport, Conn. Cambridge, Mass. Fall River, Mass. Hartford, Conn. Lowell, Mass. Lynn, Mass. New Bedford, Mass. New Haven, Conn. Providence, R.I. Somerville, Mass. Springfield, Mass.	140 26 19 14 30 16 17 18 25 37 4	91 28 25 25 26 15 23 14 20 41 12 32	168 17 22 27 29 20 19 11 19 34 8 28	163 33 13 11 21 24 18 17 26 27 7	SOUTH ATLANTIC: Atlanta, Ga. Baltimore, Md Charlotte, N.C. Jacksonville, Fla. Miami, Fla. Norfolk, Va. Richmond, Va. Savannah, Ga. St. Petersburg, Fla. Tampa, Fla. Washington, D.C.	49 107 15 32 41 25 52 8 52 33 87	44 143 17 47 42 17 44 13 64 27 87	53 115 21 23 48 25 47 13 58 30 75	36 108 15 21 48 32 36 20 56 33 93 24
Waterbury, Conn. Worcester, Mass. MIDDLE ATLANTIC: Albany, N.Y. Allentown, Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa. Jersey City, N.J.	15 37 18 24 63 21 19 26	30 17 63 28 12 30 33	25 26 94 30 11 28 44	12 35 22 31 83 25 24 30 33	EAST SOUTH CENTRAL: Birmingham, Ala. Chattanooga, Tenn. Knoxville, Tenn. Louisville, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, Ala Nashville, Tenn.	37 35 22 56 57 14 16 51	52 39 18 70 52 16 13 39	38 18 18 77 72 18 13 58	41 22 21 40 48 28 10 48
Newark, N.J. New York City, N.Y. Paterson, N.J. Philadelphia, Pa. Pittsburgh, Pa. Reading, Pa. Rochester, N.Y. Schenectady, N.Y., Scranton, Pa. Syracuse, N.Y. Trenton, N.J. Utica, N.Y. Yonkers, N.Y.	46 939 15 275 126 36 57 21 22 27 27 27 22 23	47 960 15 251 105 29 66 14 17 36 18 26 25	42 923 19 280 97 28 65 19 17 38 14 19 20	37 919 30 203 93 28 80 12 41 34 16 20 20	WEST SOUTH CENTRAL: Austin, Tex Baton Rouge, La Corpus Christi, Tex Dallas, Tex El Paso, Tex Fort Worth, Tex Houston, Tex Little Rock, Ark New Orleans, La Oklahoma City, Okla San Antonio, Tex Shreveport, La	21 17 9 66 11 38 78 32 92 38 55	19 12 13 64 10 27 74 21 109 35 51	17 17 13 49 17 26 78 31 79 34 55	15 16 11 69 17 25 78 28 87 33 50
EAST NORTH CENTRAL: Akron, Ohio Canton, Ohio Chicago, Ill. Cincinnati, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich Evansville, Ind Flint, Mich	33 17 373 68 95 75 44 197 19	32 18 376 81 107 50 50 191 23 23	33 22 325 93 114 58 52 173 28 21	26 23 399 92 105 76 42 195 22	Tulsa, Okla	26 21 11 77 15 63 8 22 27	9 14 75 14 55 14 35 24	19 10 55 10 58 5 22 27	9 15 68 4 46 10 15 21
Fort Wayne, Ind. Cary, Ind Crand Rapids, Mich Indianapolis, Ind. Madison, Wis. Milwaukee, Wis Peoria, Ill. Rockford, Ill. South Bend, Ind. Toledo, Ohio Youngstown, Ohio.	26 22 33 75 16 91 17 15 27 67	22 11 27 76 21 50 14 8 26 68 30	26 15 39 68 14 87 20 17 26 61 44	29 12 44 96 27 67 17 16 25 59	PACIFIC: Berkeley, Calif Fresno, Calif Glendale, Calif Honolulu, Hawaii. Long Beach, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif	11 21 24 25 34 299 41 33 121 38	13 27 28 14 38 287 38 19 67	8 24 35 23 28 255 42 29 62 36	11 24 20 12 48 287 40 21 64 33*
WEST NORTH CENTRAL: Des Moines, Iowa Duluth, Minn. Kansas City, Kans Kansas City, Mo Lincoln, Nebr Minneapolis, Minn Omaha, Nebr St. Louis, Mo St. Paul, Minn Wichita, Kans	38 19 25 75 16 69 40 145 27 33	31 18 19 80 17 70 40 137 43 20	35 18 14 79 15 69 47 113 36 34	34 16 14 67 22 79 55 149 39	San Diego, Calif San Francisco, Calif San Jose, Calif Seattle, Wash Spokane, Wash Tacoma, Wash San Juan, P.R	53 91 25 96 30 26 ()	36 108 20 76 33 20 ()	40 92 20 79 29 27 ()	47 113 20 92 38 28 ()

^{*}Estimate - based on average percent of divisional total. Totals for previous weeks include reported corrections.

Wichita, Kans.....

NOTE: All deaths by place of occurrence.

US DEPOSITORY

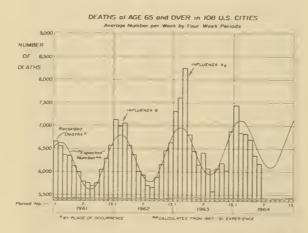


DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U.S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending June 13 was 6,177 as compared with an expected weekly average of 6,431.

Summary of Deaths Among Persons 65 Years and Over

		Week					
	5/23	5/30	6/6	6/13	4 Week Total	Weekly Average	
Observed	6,311	6,131	6,101	6,166	24,709	6,177	
Expected	6,517	6,458	6,402	6,349	25,726	6,431	
Excess	-206	-327	-301	-183	-1,017	-254	



(See Table, page 215)

HEALTH, EDUCATION, AND WELFARE Communicable Disease Center PUBLIC HEALTH SERVICE Atlanta, Official Business DEPARTMENT OF Georgia 30333

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULALATION OF 11,000 IS PUBLISHED BY THE COMMUNICABLE DISEASE
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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES. SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

LAWRENCE K ALTMAN, M.D., EDITOR

MORBIDITY AND MORTALITY WEEKLY REPORT COMMUNICABLE DISEASE CENTER

ATLANTA, GEORG A 30333

NOTES THE'S PR . ISION AL DATA ARE BASED ON WEEKLY TELEGPA'S T THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS -- DATA NOT AVAILABLE

OUANTITY ZERO

PROFEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30333.

S. DEPARTMENT OF POSTAGE AND FEES PAID Ξ m *